Environmental Management Performance Report

September 2002

E0210068

Department of Energy
Richland Operations Office

Bechtel Hanford, Inc.
Environmental Restoration Contractor

Data as of month-end September

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INTRODUCTION

The monthly Environmental Restoration (ER) Environmental Management Performance Report (EMPR) consists of four sections: Section A - Executive Summary, Section B – River Corridor Restoration, Section C - Central Plateau Transition, and Section D – Site Integration and Infrastructure. Sections A and B data are current as of September 30, 2002. Sections C and D contain summary data as of June 30 when this scope was transitioned to Fluor Hanford, Inc. (FH) (financial data reflects current-month status). For this month's report (September 2002), emphasis is focused on providing a fiscal year 2002 (FY02) summary overview of accomplishments, cost/schedule performance, and key integration activities.

Section A – Executive Summary. The Executive Summary begins with a description of notable FY02 accomplishments that are considered to have made the greatest contribution toward safe, timely, and cost-effective Hanford Site cleanup. Safety statistics are also included. Major commitments are summarized that encompass Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones and FY02 Environmental Management (EM) corporate performance measures and objectives. FY02 ER Project cost and schedule variance analysis is summarized. Issues that require management and/or regulator attention are addressed along with resolution status. The Key Integration Activities section highlights site activities that cross contractor boundaries, supporting overall Hanford Site goals. The Executive Summary ends with a listing of major upcoming planned key events (90-day look ahead).

Section B – River Corridor Restoration. This section contains more detailed FY02 Environmental Restoration Contractor (ERC) activity information and performance status for the three Project Baseline Summaries (PBSs) within the River Corridor Restoration outcome. These three PBSs consist of RC01 - 100 Area River Corridor Cleanup, RC02 - 300 Area Cleanup, and RC05 - River Corridor Waste Management.

Section C – Central Plateau Transition. This section contains summary ERC activity information through June 30 (financial data reflects current-month status), for one PBS (CP01 – 200 Area Remediation). ERC Central Plateau Transition workscope was successfully transitioned to FH on June 30 as part of the U.S. Department of Energy (DOE) Richland Operations Office (RL)-directed Central Plateau transition.

Section D – Site Integration & Infrastructure. This section contains summary ERC activity information through June 30 (financial data reflects current-month status), for two PBSs (SS03 – Groundwater Management and Monitoring, and SS04 – Groundwater/Vadose Zone [GW/VZ] Integration). ERC Site Integration and Infrastructure workscope was successfully transitioned to FH on June 30 as part of the RL-directed Central Plateau transition.

PBS SC01 – Near Term Stewardship is structured within the Site Stewardship outcome. Due to the minimal FY02 workscope identified for this PBS, SCO1 performance data will be included in the Executive Summary cost/schedule overview.

Performance Incentive and Safety information in this report is identified with a green, yellow or red text box used as an indicator of the overall status. Green indicates work or issue resolution is satisfactory and generally meets or exceeds requirements, yellow indicates that significant improvement is required, and red indicates unsatisfactory conditions that require immediate corrective actions.

Section A - Executive Summary

River Corridor Restoration

Central Plateau Transition
(Transitioned to Fluor Hanford on June 30, 2002)

Site Integration & Infrastructure
(Transitioned to Fluor Hanford on June 30, 2002)

Data as of month-end September

SECTION A – EXECUTIVE SUMMARY

Data as of month-end September

NOTABLE ACCOMPLISHMENTS:

Fiscal year 2002 (FY02) demonstrated another year of substantial progress in Hanford Site environmental restoration activities. Cleanup activities involved remedial action and waste disposal, groundwater management and vadose zone integration, 233-S facility decommissioning, reactor interim safe storage (ISS), surveillance and maintenance of deactivated facilities, and project support. The primary focus of this performance report is to identify the significant accomplishments that were achieved in all areas of the Hanford Site Environmental Restoration (ER) Project throughout FY02.

General:

On January 4, the ERC team reached one million manhours without a lost workday injury. This was the fifth time the million-hour mark has been achieved since the ER Project was formed in July 1994.

Occupational Safety and Health (OSHA) lost workday cases decreased by 40% from FY01.

Bechtel Hanford, Inc. (BHI) was an integral participant in the successful completion of the 100 and 300 Areas (River Corridor) and 200 Area (Central Plateau) proposed Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) change package negotiations conducted by the U.S. Department of Energy (DOE) Richland Operations Office (RL), U.S. Environmental Protection Agency (EPA), and Washington State Department of Ecology (Ecology). Approval of the eight change packages established commitments for accelerated cleanup in these respective areas.

All planned FY02 Tri-Party Agreement milestones were completed, including an additional three outyear milestones. A total of 16 Tri-Party Agreement milestones were achieved during FY02 (15 ahead of schedule and 1 on schedule).

In February, BHI completed a formal rebaselining of the ER FY02 work plans based on receipt of FY02 funding guidance due to the accelerated transition of Central Plateau scope.

BHI initiated FY03 detailed work planning in June based on guidance provided by RL. In August, BHI conducted management reviews of the ER FY03 Detailed Work Plan (DWP) with RL, DOE Headquarters (HQ), and the regulators. RL approved the FY03 DWP in September.

River Corridor Restoration:

Excavation of 12 waste sites was completed in the 100 Area during FY02 (10 sites were originally planned). 20 cleanup verification packages (CVPs) were also completed (19 packages were originally planned).

A key waste minimization goal to reduce the number of metric tons of contaminated soil from waste sites to be shipped to the Environmental Restoration Disposal Facility (ERDF) was exceeded by 34%. Using field screening and sample results, approximately 280,000 metric tons (309,000 tons) of soil were left in place or stockpiled for use as backfill.

Accelerated mobilization activities were initiated in July in support of the 100 K Area soil remediation effort. Work was also accelerated to begin the 118-K-1 Burial Ground design.

In August, positive remediation results were also experienced in the 300 Area with completion of the drummed waste removal from the 618-4 Burial Ground. 786 drums that contain depleted uranium waste were excavated from the burial ground. 558 drums were sent to the ERDF interim staging area, and 228 drums were disposed in ERDF. Prior to drum excavation, an interim staging area was required to be constructed at ERDF in order to receive the drummed waste.

NOTABLE ACCOMPLISHMENTS continued:

During FY02, nearly 604,000 metric tons (665,000 tons) of contaminated waste were disposed in ERDF. Through September 2002, a total of 3.4 million metric tons (3.8 million tons) of waste have been disposed in ERDF since operations began in July 1996.

Reactor ISS work achieved substantial progress in the 100 Area during FY02. The safe storage roof enclosure was successfully constructed on DR Reactor, which is the last step in completing reactor ISS except for closeout items. The F Reactor fuel storage basin (FSB) excavation was completed, and all 17 spent fuel elements discovered during FSB excavation were safely packaged and transported to K Basin.

FY02 River Corridor surveillance and maintenance activities included completion of the KW Reactor roof repairs that were accelerated from FY03. B Reactor hazard mitigation upgrades for FY02 were also completed.

All planned 17 well installations and chemical barrier injections were completed in support of the In Situ Redox Manipulation (ISRM) Phase III Project during FY02. ISRM Phase III extended the subterranean chemical barrier to approximately 670 meters (2,200 feet) to suppress chromium migration to the Columbia River.

Central Plateau Transition:

On June 30, BHI successfully transitioned the ERC portion of the Central Plateau workscope to Fluor Hanford, Inc. (FH) as part of the RL-directed Central Plateau transition. Transferred scope consisted of the 233-S Plutonium Concentration Facility, 100/200 Area groundwater management and vadose zone integration, 200 Area remedial actions, and 200 Area surveillance and maintenance activities. B Plant and PUREX facilities were transitioned early to FH on June 3.

Three Draft A work plans for 200 Area remediation were completed and submitted to the regulators. Work was accelerated to complete two of these work plans within a three-month time frame. Extensive field work was also completed in the 200 Area, some of which included drilling, sampling, geophysical logging, and decommissioning of characterization boreholes.

The five-year decommissioning effort for the 233-S Plutonium Concentration Facility reached a major milestone during FY02. In March, the last of 15 process hood vessels was successfully removed from the highly contaminated facility one year ahead of schedule.

FY02 Central Plateau surveillance and maintenance activities included stabilization of two hexone tanks and completion of asbestos abatement ahead of schedule. The draft Canyon Disposition Initiative (CDI) Proposed Plan was completed and submitted to the regulators. The B Plant filter changeout was performed at significantly lower exposures due to extensive pre-job planning and mockup training.

Site Integration and Infrastructure:

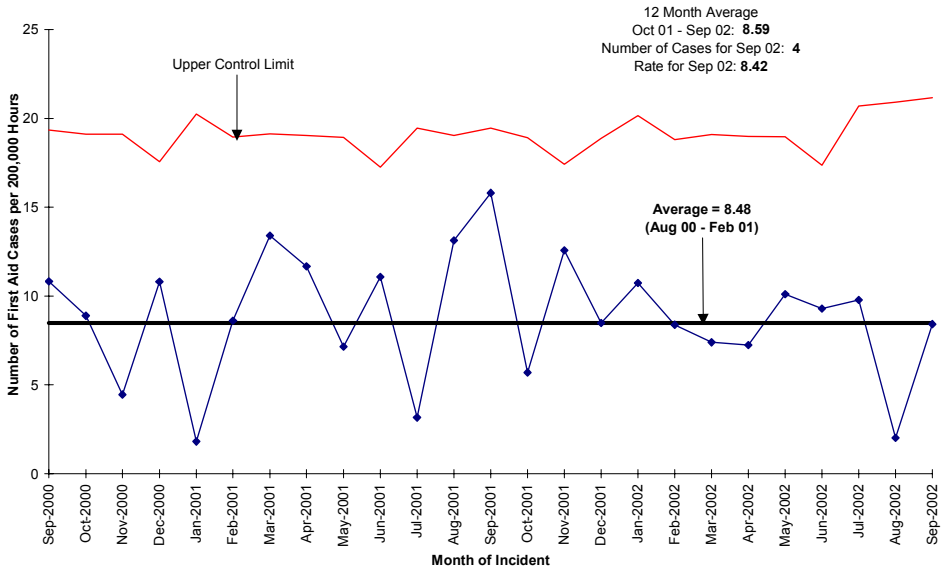
On June 30, BHI successfully transitioned the ERC portion of the Site Integration and Infrastructure workscope to FH as part of the RL-directed Central Plateau transition. Transferred scope consisted of the 100/200 Area groundwater management and vadose zone integration activities.

The remaining calendar year 2001 RCRA groundwater well drilling was completed in November 2001, supporting achievement of Tri-Party Agreement Milestone M-24-00M.

Groundwater/Vadose Zone (GW/VZ) Integration Project meetings and workshops were held with other national laboratories, RL, Office of River Protection (ORP), Hanford Site contractors, State of Oregon representatives, Tribal Nations, regulators, and stakeholders to discuss the System Assessment Capability (SAC) approach and initial assessment results, Science and Technology progress, and plans for FY02.

ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
SEPTEMBER 2002

SAFETY:



GREEN

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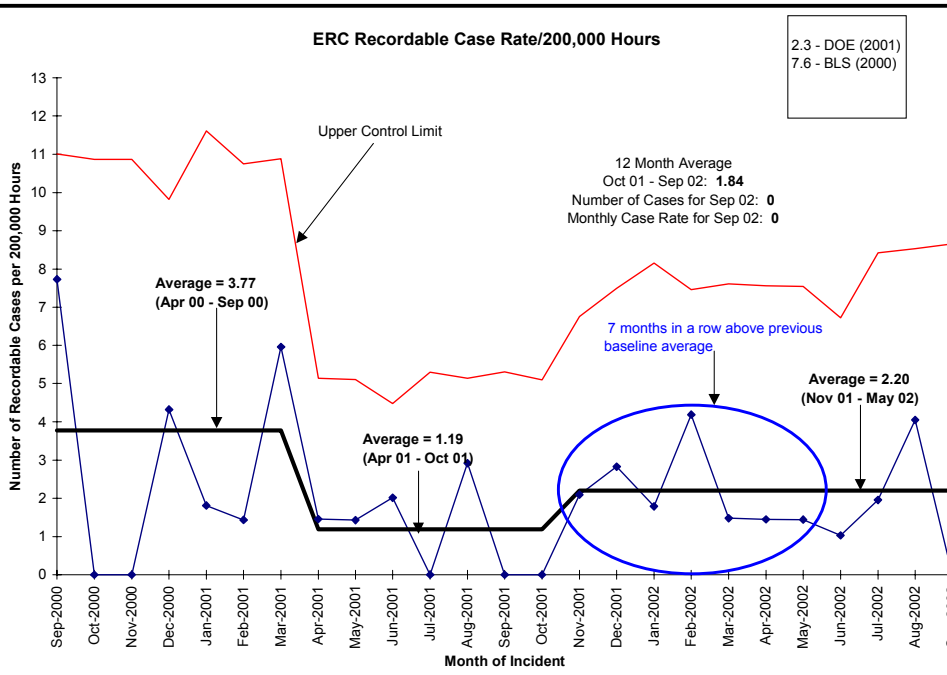

GREEN

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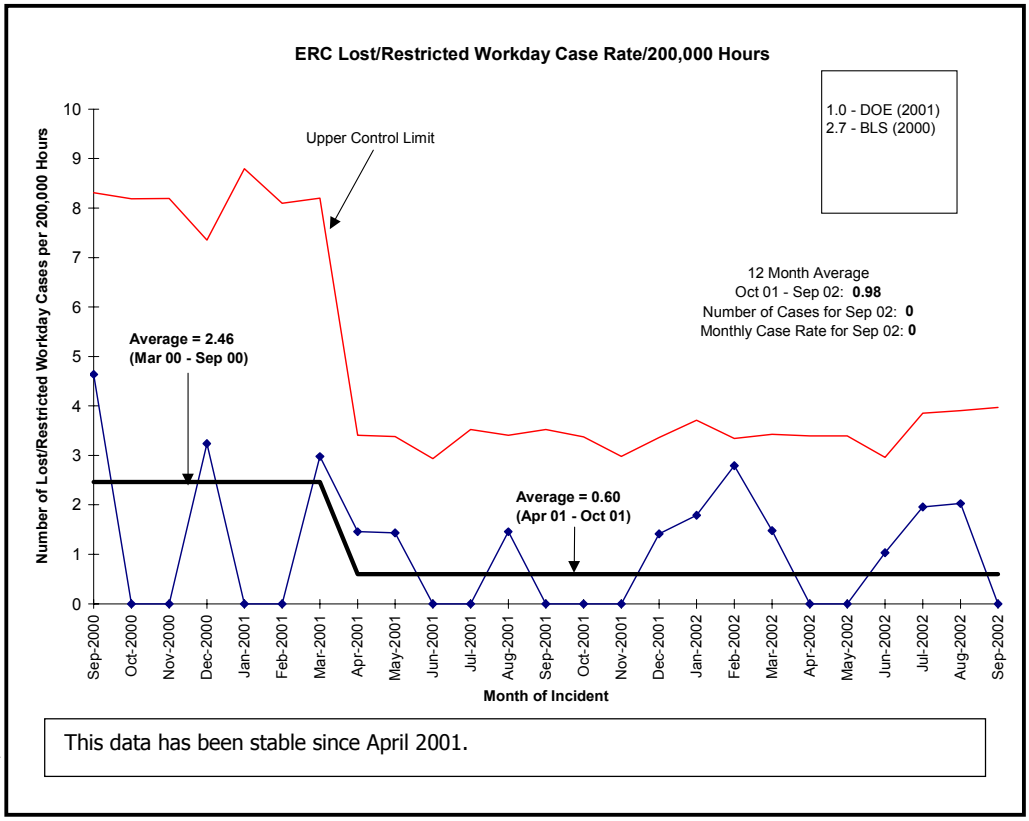
SAFETY continued:



GREEN

This data has been stable since April 2001.

SAFETY continued:

The following actions have or are being taken by the ERC to focus on safety improvements:

- Plans were initiated to obtain Voluntary Protection Program (VPP) Star Status recognition. In support of this activity, ERC plans to conduct a VPP self-assessment in October 2002.
- The Subcontract Technical Representatives (STR) implemented the use of a "Performance Review Form". This form is used to document subcontractor performance, safety, and contractual compliance.
- The Field Support organization completed revisions to the Control of Hazardous Energy and Materials (Lockout/Tagout) procedure. The procedure was effective July 31.
- A new Control of Hazardous Energy and Materials (Lockout/Tagout) training course was developed and implemented. The training consists of ten separate modules that can be administered commensurate with an individual's responsibilities.
- All incidents are thoroughly investigated. Emphasis is placed on causes and corrective actions that can be implemented where applicable. Timely discussions take place in safety meetings and plan of the day (POD) meetings. When investigations are complete, the results are sent to the Area Superintendents, Field Superintendents, and Supervisors for review at the PODs.
- Bechtel Hanford, Inc. (BHI) continues to look for trends and consults with Corporate and other Bechtel National, Inc. (BNI) contacts for ways to enhance performance.
- The ERC continues to work closely with the Hanford Atomic Metal Trades Council (HAMTC) Safety Representative to resolve safety issues as they arise.
- Senior management continues to meet with small groups of employees in the field to discuss safety and personal commitment to safety.
- The Field Support General Superintendent and Project Safety Manager continue to visit different projects on a regular basis, meet with project team members, and conduct safety walkarounds. Area Superintendents for Decontamination and Decommissioning projects and Surveillance, Maintenance, and Transition projects are included in these walkarounds. The walkaround participants visit projects other than those for which they are responsible. Information from the walkarounds is shared with the team and other Field Support personnel. Safety conditions requiring corrective action are assigned to project personnel or support personnel for action and are tracked to closure. This activity is ongoing.
- The ERC has recognized a trend in sprain and strain injuries. Heightened awareness regarding proper lifting techniques, the use of mechanical devices for lifting heavy or awkward loads, proper planning, and increased participation in low-impact stretching exercises prior to engaging in lifting or pulling activities are being utilized to reduce these types of injuries.
- The ERC has invited "Brown Bag Speakers" to join employees during lunchtime at the 3350 George Washington Way facility to discuss various safety and health topics.
- Field Support personnel conduct weekly safety inspections. Findings are entered into a database and tracked to closure. Daily inspections are also performed and logged in the project's daily logbook or daily report.
- The Field Support Subcontract's Manager, Safety and Health personnel, and Assessments, Regulatory, and Quality program personnel perform periodic management walkthroughs on ERC subcontractor operations.

SAFETY continued:

	FYTD	Current Period (8/19/02-9/15/02)	Current Period Comments
First Aid	68	4	(1) blood blister, (1) insect sting, (1) abrasion, (1) strain
OSHA Recordable	15	0	
Restricted Workday Case	5	0	
Lost Workday Case	3	0	A recordable in June became lost time in September.

Status:

- As of September 30, 2002, the ERC worked approximately 90,000 hours without a lost workday case. The last incident occurred on June 4, 2002 and became lost time on September 4, 2002. Continuous employee involvement is being fostered by the Integrated Environmental Safety and Health Management System (ISMS), VPP, labor alliance programs, e-mail communications, and one-on-one meetings with employees.
- A total of 47 ERC and subcontractor employees volunteered to attend a two-hour Sprain and Strain Prevention Program training. ERC hosted two training sessions which provided the necessary information for the volunteers to train other ERC employees regarding sprain and strain prevention. The training also demonstrated effective low-impact stretching exercises. This Train-the-Trainer program was developed by a Hanford Environmental Health Foundation (HEHF) exercise physiologist and the ERC Project Safety Manager. The training is structured for the types of work activities performed in both field and office environments.
- The VPP Steering Committee developed a VPP Employee Survey consisting of 59 yes/no questions and 2 write-in questions. The survey responses were entered into a database. The VPP Steering Committee produced a report containing employee perceptions of the ERC Safety and Health program. The survey results were provided to ERC employees in various meetings (Safety, POD, and staff meetings). The results will assist the ERC VPP team to develop an improvement plan prior to conducting the VPP self-assessment scheduled for October.
- To date, the ERC has had six brown bag speakers. The most recent speaker was Lisa Moore of the Sexual Assault Center, who spoke on "The Dynamics of Sexual Abuse."
- STRs were provided an electronic link to the Occupational Safety and Health Act of 1970 (OSHA) 1910 and 1926 Standards. Additionally, a hardbound copy of the OSHA Health and Safety Standards was obtained to enhance subcontractor oversight by the STR staff.
- STRs were provided a draft summary checklist for Exhibit G to assist in identifying subcontractor safety and health requirements. Exhibit G communicates safety performance expectations to all subcontractors.
- The ERC has implemented the revised Control of Hazardous Energy and Materials (Lockout/Tagout), and all ERC actions have been completed. All ERC employees involved in the control of hazardous energy have been trained to the new program.
- The ERC completed revisions to subcontract exhibits and modified existing subcontracts to incorporate the revised exhibits. The revision is designed to clearly define contractor requirements and to ensure the proper flowdown of the U. S. Department of Energy (DOE) directives and Bechtel Corporate procedures.

SAFETY continued:

Integrated Environmental Safety and Health Management System (ISMS):

Status:

An ERC audit team completed an audit of TechLaw's data validation process for performing data validation on analytical data for ERC projects. The audit team identified one finding during the audit involving lack of required procedures.

The ERC closed 15 RL Facility Representative surveillance concerns/findings/observations during September. Facility Representatives indicated that 14 more items on Lockout/Tagout were in the process of being closed out.

The ERC issued BHI-QA-01, ERC Quality Program, (effective date of 9/27/2002) incorporating RL comments which included several administrative updates including the addition of two references: EPA/600/R-96/055, QA/G-4 "Guidance for the Data Quality Objectives Process" and ASME NQA-1, "Quality Assurance Requirements for Nuclear Facility Application."

Coordination continued for the FY03 self-assessment schedule for Engineering and Technologies and FY02 self-assessment program for the Environmental Technologies group to ensure assessment tracking and reporting is in compliance with DOE requirements and ERC procedures. Information gained from the self-assessment effectiveness of corrective/preventive actions, and scheduled and actual self-assessment activity, is then provided as input to the RL ISMS Metrics report. These self-assessments assist in working safely and identifying potential problems.

The ERC completed Quality Assurance PAAA Noncompliance evaluation on the following issues and determined that there was not a noncompliance to 10 CFR 830 Subpart A:

- Documents and Records, QSS-02-028
- Equipment and Piping Labeling, FS-02-12, Rev. 1
- Inspection and Acceptance Testing, QSS-02-062
- Preparation of Environmental Radiological Survey Task Instructions; ARQP-02-21, 02-D&D-05

The ERC screened the following activities for PAAA review:

- 1 critique report
- 1 corrective action request
- 3 management walkthrough reports
- 3 Quality Services surveillance reports
- 2 independent assessments
- 3 new or revised occurrence reports
- 2 Facility Representative reports
- 32 self assessments

The FY02 summary of environmental noncompliances that are reported to RL on a monthly basis was completed. This summary is rolled up into the annual ERC report of Performance Indicators that is part of the ERC contract.

BHI continued toward full implementation of the ISMS Performance Objectives, Measures, and Indicators Process (hereafter referred to as metrics) that BHI communicated to RL in document BHI-01550. Data collection continues, and new data for September for all 24 metrics was provided to RL by separate letter.

SAFETY continued:

The institutionalizing of the ISMS Metrics processes that was mentioned in the August report continued. BHI completed the internal review of the ISMS Metrics Process document and the review of metric definitions to ensure metric quality. Comment resolution and dispositioning will continue into October. After comments are resolved, both the process document and metric definitions will be provided to RL for review and comment. Concurrent with securing RL's review and comment on those documents, BHI will begin the process of establishing the metric decision criteria (e.g., the numerical values for the green, yellow, and red bands) in those cases where sufficient historical data has been accumulated. The setting of decision criteria will also require input from RL.

Significant accomplishments on this effort during September included:

- BHI continued to work on the items from the action plan reported in August, which captured the tasks to be completed to achieve the institutionalization goal. The plan includes some 515 items that range from establishing a BHI Management Metric Review Committee to providing additional training for both RL and BHI personnel that use the ISMS Metrics processes and data. The major effort during September was the completion of the internal review of all the metric definitions and the ISMS Metric Process document. Comments were resolved on essentially all the metric definitions, and the process document comments are being resolved.

- Work on the ERC ISMS Metrics Web page continued during September. However, progress was slow as a result of the ongoing quality review of the metric definition documents. As reported in August, these reviews and comment resolution must precede some elements of Web page construction.

PROCESS IMPROVEMENTS:

Six Sigma:

Status:

- Implementation of the Six Sigma program across the ERC continued.
- Developed the draft BHI Six Sigma 2003 Business Plan. Final comments are being incorporated for submission to Bechtel National, Inc. (BNI) on October 15.
- One employee was officially certified as a Six Sigma Black Belt on September 6.
- The Six Sigma core team held a Yellow Belt Refresher session on September 18.
- An off-site meeting was held will all BHI Functional and Project Management to discuss the Six Sigma Process Improvement Cycle and the 2003 Draft BHI Business Plan.
- BHI Master Champion Candidate attended the first of three training sessions.
- FY03 Yellow Belt training class is scheduled for October 28-31.
- FY03 Champion training class is schedule for November 5-7.

Process Improvement Projects (PIPs) and status include:

- The Subcontractor Management PIP (PIP #10) was completed.
- Based on a review of all data to date, the Remedial Action and Waste Disposal (RAWD) Container Handling PIP (PIP #11) is being focused down to concentrate on 100 B/C and 100 N Areas. These two sites offer significant opportunity for addressing container variability.
- A control action plan that includes recommendations and specific action items (steps) required for developing the new sub-processes was developed for the Virtual Waste PIP (PIP #5).
- A strategy is being developed to continue the Safety Basis PIP (PIP #8) in conjunction with RL. A meeting to develop a joint business case is planned for mid-October.

MAJOR COMMITMENTS:

Tri-Party Agreement Milestones: At the beginning of FY02, 17 Tri-Party Agreement milestones were planned for completion (16 FY02 planned milestones and 1 "to be determined" [TBD] dated milestone). Through September, 16 milestones have been completed; 15 ahead of schedule, and 1 on schedule. During FY02, three outyear milestones were accelerated and completed early, and three planned FY02 milestones were deleted per the Tri-Party Agreement change control process. On June 30, M-16-27C, "Complete 100-HR-3 Phase III ISRM Barrier Emplacement" (due September 30) was transitioned to FH as part of the RL-directed Central Plateau transition.

Total Tri-Party Agreement Milestones Due in FY02	16*
Total Planned Through September	16
Total Completed Through September	16

*Includes a "TBD" milestone

Remaining Tri-Party Agreement Milestones to be Completed in FY02	0
Forecast Ahead of Schedule	0
Forecast On Schedule	0

EM Corporate Performance Measures:

	DWP FY02	FY02 Mgmt Commitments	Current Baseline	Completed YTD
Waste Site Excavations	13	10*	12	12
Technology Deployments	0	3	8	8

*HQ IPABS currently reporting 12 (HQ change request pending). Performance measure commitments revised due to formal funding guidance received from RL in January and required project rebaselining.

PERFORMANCE OBJECTIVES:

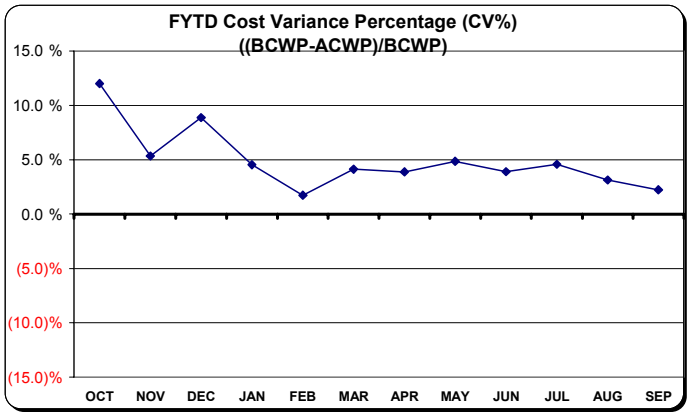
Comprehensive performance incentives are noted below. Specific River Corridor and Central Plateau performance measures are identified in the following Outcome sections.

	Comprehensive Measure	Fee Allocation	Task	Status
GREEN	**Safety**	Negative fee only up to 50% of fee available for this PI.	Protect worker safety and health, public safety and health, and the environment.	BHI initiated implementation of a Sprain Strain Prevention Program. BHI also began work on a Cleanup Constraints and Challenges Initiative evaluating the potential for alternative disposal options. No significant regulatory non-compliances and/or deficiencies identified in September. BHI's progress continues toward full implementation of the ISMS metrics. Subcontractor rollover accident investigation was completed and results forwarded to RL. PI completed on September 30.
GREEN	**Financial Excellence**	Incentive fee up to 20% of fee available for this PI.	The Contractor shall fulfill its contractual obligation in a fiscally responsible manner.	BHI continues to meet their contractual obligation in a fiscally responsible manner, including the area of cost/price. PI completed on September 30.
GREEN	**Effective Leadership**	Incentive fee up to 30% of fee available for this PI.	Provide corporate leadership to improve management effectiveness, collaborate and participate proactively with our customers, value workers, and provide a supportive environment.	BHI continued to focus on improving the self-assessment program and briefed RL senior management on the status of improvements for: Management Walkthroughs; Priority Areas for Assessments; Effectiveness of Assessment Program and ISM Metrics. BHI continues to provide excellent support and products for media relations, public involvement, and general communications. PI completed on September 30.
GREEN	**Transition Activities**	Incentive fee up to 50% of fee available for this PI.	Plan for and aggressively support a seamless transition of work from BHI to FH and from BHI to the new River Corridor Contractor.	Transfer Agreement with FH signed on June 27. Central Plateau transition was successfully completed on June 30. Notice of Completion was transmitted to RL on August 7. (RL approval was received on October 3.)

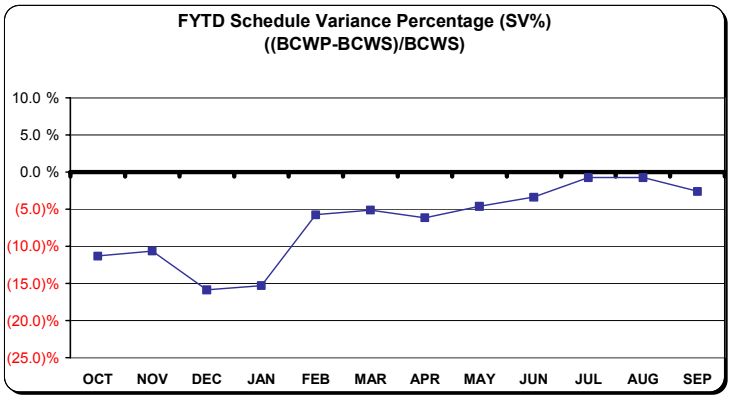
ENVIRONMENTAL MANAGEMENT PERFORMANCE REPORT
ENVIRONMENTAL RESTORATION
SEPTEMBER 2002

TOTAL ERC COST/SCHEDULE OVERVIEW:

FY02 ER PERFORMANCE SUMMARY
FYTD SEPTEMBER 2002
($K)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	EAC
CURRENT PERIOD													
ACWP	10,237	12,390	11,786	13,451	13,111	14,424	13,387	12,790	16,193	8,757	9,765	12,116	
BCWP	11,635	12,272	13,862	12,378	11,904	16,591	13,727	14,402	15,791	10,032	8,115	11,100	
FISCAL YEAR TO DATE													
ACWP	10,237	22,627	34,413	47,864	60,975	75,399	88,786	101,576	117,769	126,526	136,290	148,406	
BCWP	11,635	23,907	37,769	50,147	62,050	78,643	92,367	106,771	122,562	132,594	140,709	151,809	
CV	1,398	1,280	3,356	2,282	1,075	3,244	3,581	5,195	4,793	6,069	4,419	3,403	
CV%	12.0%	5.4%	8.9%	4.6%	1.7%	4.1%	3.9%	4.9%	3.9%	4.6%	3.1%	2.2%	
EAC (Cumulative)	10,237	22,627	34,413	47,864	60,975	75,399	88,786	101,576	117,769	126,526	136,290	148,406	152,524



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DWP	10,994	11,433	14,984	13,383	12,125	15,162	12,865	12,486	13,558	11,837	12,074	14,835
DWP (Accum)	10,994	22,427	37,411	50,794	62,919	78,081	90,946	103,432	116,990	128,827	140,901	155,736
CURRENT PERIOD												
BCWS	13,121	13,631	18,145	14,309	6,629	17,063	15,535	13,523	14,917	6,716	8,200	14,073
BCWP	11,635	12,272	13,862	12,378	11,904	16,591	13,727	14,402	15,791	10,032	8,115	11,098
FISCAL YEAR TO DATE												
BCWS	13,121	26,752	44,897	59,206	65,835	82,897	98,433	111,956	126,873	133,589	141,789	155,862
BCWP	11,635	23,907	37,769	50,147	62,050	78,643	92,367	106,771	122,562	132,594	140,709	151,809
SV	(1,486)	(2,845)	(7,128)	(9,060)	(3,785)	(4,254)	(6,066)	(5,185)	(4,311)	(995)	(1,080)	(4,053)
SV%	-11.3%	-10.6%	-15.9%	-15.3%	-5.7%	-5.1%	-6.2%	-4.6%	-3.4%	-0.7%	-0.8%	-2.6%

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 ER PBS PERFORMANCE SUMMARY
FYTD SEPTEMBER 2002
($K)

	FY02 DWP BCWS	CURRENT BCWS	FYTD BCWS	FYTD BCWP	FYTD ACWP	YTD SCHEDULE VARIANCE $	YTD SCHEDULE VARIANCE %	YTD COST VARIANCE $	YTD COST VARIANCE %	EAC
RC01	68,776	72,653	72,653	70,336	70,430	-2,317	-3.2%	-94	-0.1%	72,780
RC02	9,444	10,074	10,074	9,381	9,376	-693	-6.9%	5	0.1%	10,091
RC05	24,259	28,798	28,798	27,757	27,701	-1,041	-3.6%	56	0.2%	28,751
RCR-Subtotal	**102,479**	**111,525**	**111,525**	**107,474**	**107,507**	**-4,051**	**-3.6%**	**-33**	**0.0%**	**111,622**
CP01	32,663	25,300	25,300	25,300	22,910	0	0.0%	2,390	9.4%	22,910
CPT-Subtotal	**32,663**	**25,300**	**25,300**	**25,300**	**22,910**	**0**	**0.0%**	**2,390**	**9.4%**	**22,910**
SS03	17,141	11,558	11,558	11,558	10,951	0	0.0%	607	5.3%	10,951
SS04	3,382	7,400	7,400	7,400	6,985	0	0.0%	415	5.6%	6,985
SI&I-Subtotal	**20,523**	**18,958**	**18,958**	**18,958**	**17,936**	**0**	**0.0%**	**1,022**	**5.4%**	**17,936**
SC01	71	79	79	77	53	-2	-2.5%	24	31.2%	56
SS-Subtotal	**71**	**79**	**79**	**77**	**53**	**-2**	**-2.5%**	**24**	**31.2%**	**56**
ERC TOTAL	**155,736**	**155,862**	**155,862**	**151,809**	**148,406**	**-4,053**	**-2.6%**	**3,403**	**2.2%**	**152,524**

Schedule Variance Summary:

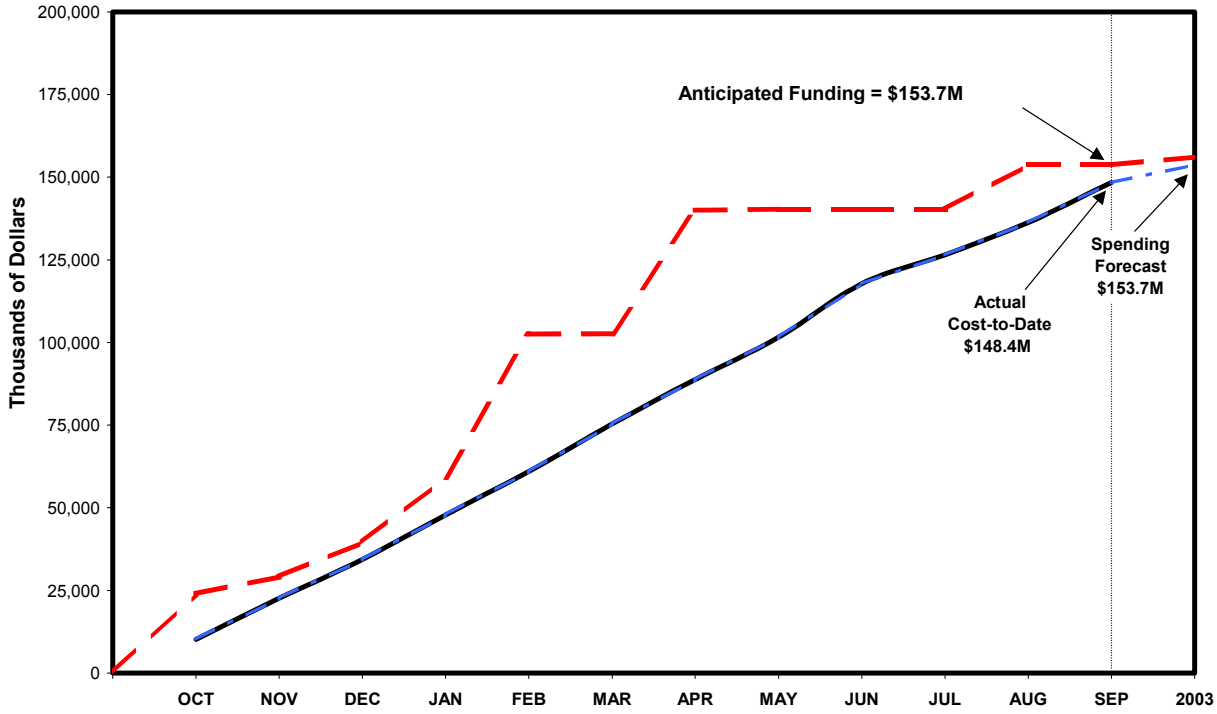
Through September, the ER Project is $4.1M (-2.6%) behind schedule. The negative schedule variance is attributed to 618-4 Burial Ground closeout due to land disposal restricted material treatment, and planned carryover scope including 116-N-1 pipeline, plume, and crib remediation and final performance fee payments. Excluding planned carryover scope, FY02 schedule variance is $1.4M (-0.9%) behind schedule.

Cost Variance Summary:

At the end of September, the ER Project had performed $151.8M worth of work, at a cost of $148.4M. This results in a favorable cost variance of $3.4M (+2.2%). The positive cost variance is attributed to lower labor and sampling costs at 100 Area remediation sites, labor savings at the 233-S facility decommissioning project, herbicide application and 100/200 Area surveillance and maintenance labor savings, 200 Area technology deployment savings at U Pond/Z Ditches, and offsetting overruns from reactor ISS demolition and loadout.

TOTAL ERC COST/SCHEDULE OVERVIEW continued:

FY02 FUNDING VS. FORECAST EXPENDITURES (EAC)



				OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	2003	
	ANTICIPATED FUNDING*			24,017	29,181	39,603	59,223	102,555	102,655	140,037	140,307	140,307	140,307	153,722	153,752	Est. Outyr. ETC	TOTAL
	ACTUAL/EAC ON APPROVED SCOPE																
1	Actual Cost Cumulative through September			10,237	22,627	34,413	47,864	60,976	75,400	88,787	101,576	117,769	126,525	136,290	148,406		
2	Current Monthly Actuals/EACs			10,237	12,391	11,786	13,451	13,111	14,424	13,387	12,790	16,193	8,755	9,765	12,116		
3	Cumulative Actuals/EACs on Approved Scope			10,237	22,628	34,414	47,865	60,976	75,400	88,787	101,577	117,770	126,525	136,290	148,406	4,118	152,524
4																	0
5																	0
6	Subtotal Approved Scope Changes															0	0
	SEPTEMBER FY02 ADDITIONAL COMMITTED CARRYOVER																
7	RC01		Regulatory Document Review													30	30
8	SS01		Efficiencies from Central Plateau Transition													(104)	(104)
9	SS01		Implementation of the River Corridor Contract Transition													1,283	1,283
10	ALL	Pending Scope Additions, Deletions, etc.														19	19
11	Subtotal Approved BCPs + Pending BCPs															1,228	1,228
12	Current Monthly Actuals/EACs + September FY02 Approved + Pending BCPs			10,237	12,391	11,786	13,451	13,111	14,424	13,387	12,790	16,193	8,755	9,765	12,116		
13	Cumulative Actuals/EACs + September FY02 Approved + Pending BCPs			10,237	22,628	34,414	47,865	60,976	75,400	88,787	101,577	117,770	126,525	136,290	148,406	5,346	153,752

ISSUES (REGULATORY/EXTERNAL/DOE):

See individual Outcome sections.

KEY INTEGRATION ACTIVITIES:

Following is a summary of significant integration activities accomplished during FY02. Refer to individual Outcome key integration activities in the following Sections B, C, and D for additional integration items.

General:

BHI and FH were directed by RL to prepare a schedule and preliminary cost estimate for the joint development of a Hanford Site Central Plateau/River Corridor Contract transition plan. The two-part transition plan aligned the Hanford Site's scope with RL's contracting strategy. A joint approach was developed in November and submitted to RL on November 29.

River Corridor Restoration:

BHI and FH jointly developed the first three sections of the draft River Corridor Transition Plan. Each contractor developed the remainder of the draft plan based on the River Corridor scope contained within each contract. The River Corridor Transition Plan Decisional Draft was submitted to RL on March 8. Draft review comments were dispositioned, and the final River Corridor Transition Plan, Rev. 0 was submitted to RL on April 25.

Central Plateau Transition / Site Integration & Infrastructure::

BHI and FH submitted the Central Plateau Transition Plan on March 14. Implementation began March 18 with Project briefings, tours and DWP/Baseline review. ERC employees affected by the transition attended a FH informational meeting March 25, followed by submittal of FH employment applications by March 28. FH conducted employee interviews from April 15 through April 24. Employment offers were sent April 29, with response required by May 10. Project and functional discussions and information exchange were ongoing. Property lists were reviewed and walkdowns were conducted. B Plant and PUREX facilities were transitioned early on June 3. All remaining Central Plateau transition scope was successfully transitioned by June 30. The Transfer Agreement was signed by BHI and FH, and delivered to RL on June 27.

UPCOMING PLANNED KEY EVENTS:

River Corridor Restoration:

Tri-Party Agreement Milestone M-16-10A, Initiate Remedial Action in the 100-KR-1 Operable Unit (due August 1, 2003) scheduled for early completion in December 2002.

Tri-Party Agreement Milestone M-93-16, Complete DR Reactor Interim Safe Storage (due September 30, 2003) scheduled for early completion in December 2002.

Transition ER River Corridor workscope upon award of new contract.

Section B - River Corridor Restoration

RC01 - 100 Area River Corridor Cleanup
RC02 - 300 Area Cleanup
RC05 - River Corridor Waste Management

KW Reactor Roof Repair

Loading Lead Debris in Bag at 618-4 Burial Ground

View of Concrete Anchor, Railroad Support, and Expansion Blocks on Pipeline 25 in the 100 B/C Area

H Reactor Fuel Storage Basin Final Cleanout to Top of Stem Walls

Data as of month-end September

SECTION B – RIVER CORRIDOR RESTORATION

Data as of month-end September

ACCOMPLISHMENTS:

A number of significant ER River Corridor accomplishments were achieved during FY02. These accomplishments are summarized below:

General:

BHI was an integral participant in the successful completion of the 100 and 300 Areas (River Corridor) proposed Tri-Party Agreement change package negotiations conducted by RL, EPA, and Ecology. Approval of the four change packages established commitments for accelerated cleanup in the River Corridor.

BHI developed and submitted the River Corridor Transition Plan, Rev. 0, to RL on April 25.

100 Area River Corridor Cleanup (RC01):

Excavation of 12 waste sites was completed in the 100 Area during FY02 (10 sites were originally planned). 20 cleanup verification packages (CVPs) were also completed (19 packages were originally planned).

Revegetation tasks were completed at remediated liquid waste sites in the 100 H Area and at the J.A. Jones and 600-23 waste sites, satisfying achievement of Tri-Party Agreement Milestones M-16-26B and M-16-41B/C, respectively.

During FY02, approximately 2,000 linear meters (6,600 feet) of contaminated pipeline were removed from the 100 B/C Area and disposed in the Environmental Restoration Disposal Facility (ERDF). Backfill operations were also completed for the three outfall structures at the Columbia River in the 100 B/C Area.

A key waste minimization goal to reduce the number of metric tons of contaminated soil from waste sites to be shipped to ERDF was exceeded by 34%. Using field screening and sample results, approximately 280,000 metric tons (309,000 tons) of soil were left in place or stockpiled for use as backfill. Waste minimization efforts decreased the 100 F Area schedule by more than three months and will result in an estimated cost avoidance of $3.9M.

Accelerated mobilization activities were initiated in July in support of the 100 K Area soil remediation effort. Work was also accelerated to begin the 118-K-1 Burial Ground design in FY02.

100 N Area trench and crib remediation showed significant progress in spite of high contamination levels and additional plumes encountered. In completing the 116-N-1 trench cover panel/girders demolition and size reduction activities, personnel exposure rates were approximately 30% lower than planned due to incorporating key ALARA practices. Excavation, confirmation sampling, and the CVP for 116-N-3 crib/trench were also completed during FY02.

Reactor interim safe storage (ISS) work achieved substantial progress on four reactors in the 100 Area during FY02. The safe storage roof enclosure was successfully constructed on DR Reactor, which is the last step in completing reactor ISS except for closeout items. Final documentation, including completion of the Surveillance and Maintenance Plan, will be completed during FY03.

The F Reactor fuel storage basin (FSB) excavation was completed, and all 17 spent fuel elements discovered during FSB excavation were safely packaged and transported to K Basin. Through September 2002, F Reactor ISS is over 86% complete.

During FY02, all demolition operations were completed at D Reactor, and H Reactor demolition and FSB excavation are progressing. D and H Reactor ISS are 85% and 39% complete, respectively.

ACCOMPLISHMENTS continued:

All FY02 planned Surveillance/Maintenance, and Transition Project activities for the River Corridor were completed on or ahead of schedule. Asbestos abatement was completed in the 100 Areas. Work was accelerated from FY03 to complete KW Reactor roof repairs. Two B Reactor documents, the Surveillance and Maintenance Plan and Removal Action Work Plan, were completed and submitted to the regulators. B Reactor hazard mitigation upgrades for FY02 were also completed.

In the 100 Area, the three groundwater pump and treat systems (100-HR-3, 100-KR-4, and 100-NR-2) operated above the planned 90% availability levels during FY02 (through June 2002), processing approximately 556.4 million liters of groundwater and removing approximately 41 kilograms of chromium and 0.14 curies of strontium. Since system inception (through June 2002), these three pump and treat systems processed over 3.5 billion liters of groundwater, removing approximately 306 kilograms of chromium and 1.2 curies of strontium. All CERCLA upgrades to the pump and treat systems were completed as required. (The pump and treat systems were transitioned to FH on June 30.)

All planned 17 well installations and chemical barrier injections were completed in support of the In Situ Redox Manipulation (ISRM) Phase III Project during FY02. ISRM Phase III extended the subterranean chemical barrier to approximately 670 meters (2,200 feet) to suppress chromium migration to the Columbia River.

300 Area Cleanup (RC02):

In August, positive remediation results were also experienced in the 300 Area with completion of the drummed waste removal from the 618-4 Burial Ground. 786 drums that contain depleted uranium waste were excavated from the burial ground. 558 drums were sent to the ERDF interim staging area, and 228 drums were disposed in ERDF. Prior to drum excavation, an interim staging area was required to be constructed at ERDF in order to receive the drummed waste.

Mobilization activities were completed at the 618-5 Burial Ground. Excavation is scheduled to begin in early October.

The 300 Area uranium leach/Kd laboratory testing was completed. A draft report was issued in September for regulatory and independent technical expert review.

River Corridor Waste Management (RC05):

During FY02, nearly 604,000 metric tons (665,000 tons) of contaminated waste were disposed in ERDF. Through September 2002, a total of 3.4 million metric tons (3.8 million tons) of waste have been disposed in ERDF since operations began in July 1996.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-16-00F	Establish Date for Completion of All 100 Area Remedial Actions	12/31/01	12/31/01 (A)
M-16-27B	Complete 100-HR-3 Phase II, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	12/31/01	11/20/01 (A)
M-93-12*	Issue 105-DR Disposition Competitive Procurement Package for Ascertaining the Most Effective and Efficient Approach to FEIS ROD Selected Alternative Implementation (….)	2/28/02	Deleted
M-16-26B	Complete Remediation and Backfill of 51 Liquid Waste Sites in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, and 100-HR-1 Operable Units and Process Effluent Pipelines in the 100-DR-1, 100-DR-2, and 100-HR-1 OUs. Complete Revegetation of 36 Liquid Waste Sites in the 100-BC-1, 100-DR-1, 100-DR-2, and 100-HR-1 OUs as Defined in RDR/RAWP for the 100 Area	3/31/02	12/11/01 (A)
M16-41B	Submit Closeout Verification Package for JA Jones 1 and 600-23 Waste Sites for EPA Approval	3/31/02	11/30/01 (A)
M-16-03A	Establish Date for Completion of 300 Area Remedial Actions	6/30/02	4/30/02 (A)
M-93-06	Complete Removal Action Work Plan/S&M Plan for B Reactor	6/30/02	6/27/02 (A)
M-16-03G	Establish an Environmental Restoration Disposal Facility (ERDF) Staging Area that is Ready to Receive Drummed Waste from the 618-4 Burial Ground in Accordance with an ERDF Record of Decision Amendment	9/30/02	4/10/02 (A)
M-16-41C	Complete Backfill and Regrading of JA Jones 1 and 600-23. Revegetation will occur during the following planting season	TBD	12/14/01 (A)
M-93-14	Initiate Negotiation of Remaining Surplus Reactor Disposition Schedules	6/30/03	4/30/20 (A)
M-93-15	Complete Negotiation of Remaining Surplus Reactor Disposition Schedules	12/31/03	4/30/02 (A)

*M-93-12 was deleted per Tri-Party Agreement change request M-093-01-02 on April 30.

PERFORMANCE OBJECTIVES:

PI	Task (RL formally transmitted FY02 PIs on 4/30/02)
GREEN ***River Corridor Remedial Action:** Reduce Risk to Columbia River from Groundwater Contamination	Process 546,000 tons of contaminated soils and debris from as many as 20 targeted waste sites in the Columbia River Corridor and dispose in ERDF by 9/30/02. **Status:** Completed.
	Construct drum staging area at ERDF and complete removal of all drums as defined in the FY02 DWP from 618-4 to ERDF staging area by 9/30/02. **Status:** Completed.
	Submit CVPs for 19 waste sites to DOE for transmittal to the regulators by 9/30/02. **Status:** Completed.
	Process 70,000 additional tons (for a total of 616,000 tons) of contaminated soils and debris from as many as 20 targeted waste sites and associated plumes in the Columbia River Corridor and dispose in ERDF by 9/30/02. **(Stretch)** **Status:** Completed.
GREEN ****Reactor Interim Safe Storage:** Disposition Surplus Building	Conduct ISS activities at D Reactor. **Status:** Completed.
	Conduct ISS activities at DR Reactor. **Status:** Completed.
	Conduct FY01 carryover ISS activities at F Reactor. **Status:** Completed.
	Conduct ISS activities at H Reactor. **Status:** Completed.
	Conduct ISS activities at F Reactor. **Status:** This PI was deleted from the FY02 performance plan. It is RL's intention to include this PI in the FY03 performance plan with a completion date of November 20, 2002.

*CV <5.0%; SV% <7.5% measured at the grouped RC01, RC02, RC05 PBS level.
**CV <5.0%; SV% <7.5% measured at the RC01 PBS level.

PERFORMANCE MEASURES/METRICS:

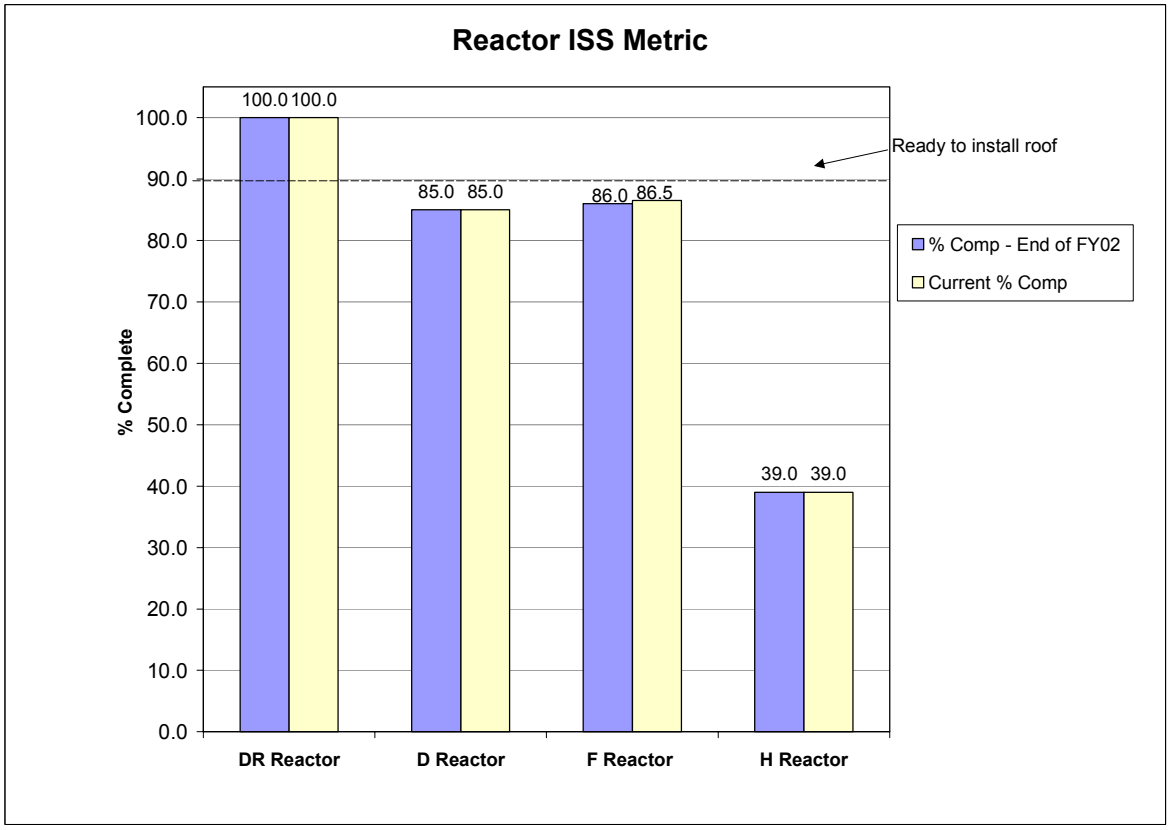
FY02 Performance Measures Summary:

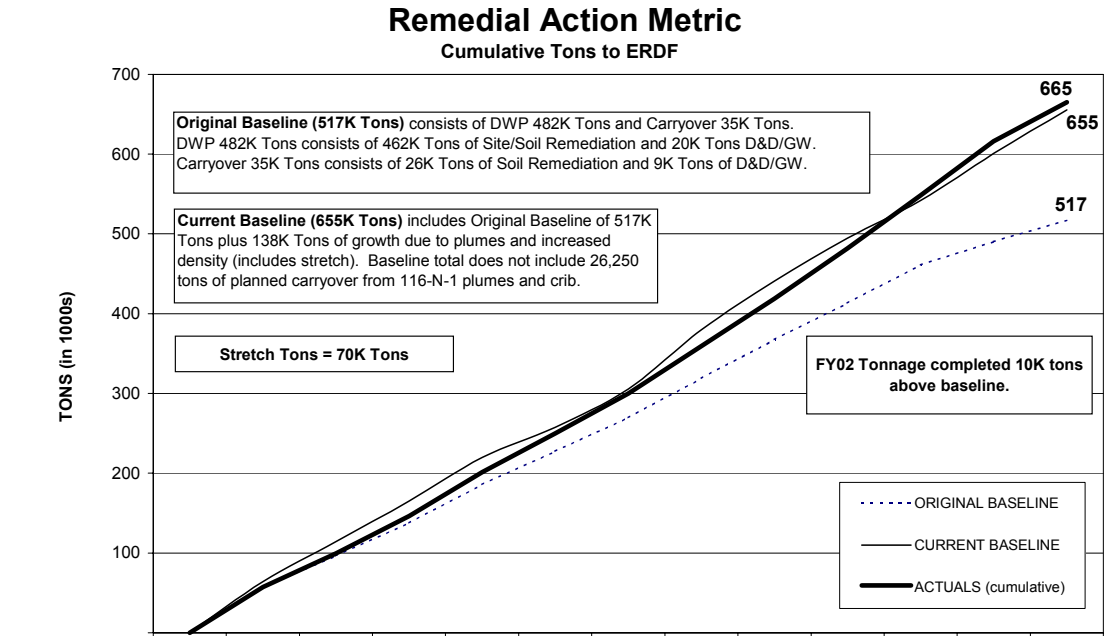
PBS	Release Sites	FY02 Mgmt Commit	Current Baseline Due Date	Forecast (F) Actual (A) Date
RC01	Complete Excavation - 100-F-2	X	11/30/01	1/26/02 (A)
RC01	Complete Excavation - 100-F-15	X	5/1/02	12/7/01 (A)
RC01	Complete Excavation - 100-F-19 (Segment 2)	X	10/30/02**	10/30/02 (F)
RC01	Complete Excavation - 116-F-2	X	10/12/01	4/17/02 (A)
RC01	Complete Excavation - 126-F-1	X	6/5/02	6/14/02 (A)
RC01	Complete Excavation - 116-F-14	X	11/30/01	12/13/01 (A)
RC01	Complete Excavation - 116-F-9	X	11/26/01	4/15/02 (A)
RC01	Complete Excavation - 1607-F-2	X	7/30/02	6/10/02 (A)
RC01	Complete Excavation - 116-N-3	X	1/3/02	6/15/02 (A)
RC01	Complete Excavation - 100-F-4			11/30/01(A)
RC01	Complete Excavation - 100-F-11			11/30/01(A)
RC01	Complete Excavation - 100-F-12			11/30/01(A)
RC01	Complete Excavation - 100-F-16			11/30/01(A)
RC02	Complete Excavation - 618-4	X	11/27/02**	11/27/02(F)
Total		**10***	**12**	**12 (A)**

*HQ IPABS currently reporting 12 (HQ change request pending). Performance measure commitments revised due to formal funding guidance received from RL in January and required project rebaselining.
**Two waste sites were deferred to FY03 by BCP.

PBS	Technology Deployments	Planned Date	(F)/(A) Date
RC01	Passive Aerosol Generator (deployed at D Reactor fuel storage basin)		10/01 (A)
RC02	In Situ Object Counting System for Drum Characterization (deployed at 618-4 Burial Ground)		5/02 (A)

PERFORMANCE MEASURES/METRICS:





		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ORIGINAL BASELINE		57	96	138	186	227	270	319	367	413	461	490	517
CURRENT BASELINE		64	114	165	220	258	306	380	441	495	542	601	655
ACTUALS (cumulative)		57	99	146	201	250	300	359	418	481	548	616	665

STRETCH AND SUPERSTRETCH GOALS:

FY02 Remedial Action Stretch Goals	Approved Tons (K)
Process 70,000 additional tons (for a total of 616,000 tons) of contaminated soils and debris from as many as 20 targeted waste sites and associated plumes in the Columbia River Corridor and dispose of in the ERDF by 9/30/02. **Status:** Complete.	70.0K
TOTAL Remedial Action Stretch Goals:	**70.0K**

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

River Corridor Restoration	BCWS	BCWP	Variance
	$K	$K	$K
RC01 **100 Area River Corridor Cleanup**	72,653	70,336	(2,317)
RC02 **300 Area Cleanup**	10,074	9,381	(693)
RC05 **River Corridor Waste Management**	28,798	27,757	(1,041)
TOTAL River Corridor Restoration:	**111,525**	**107,474**	**(4,051)**

PBS-RC01 – 100 Area River Corridor Cleanup
Schedule Variance = **($2,317K); (3.2%)** [Last Month: ($559K); (0.9%)]

Cause: Excavation of 116-N-1 pipeline, plume and crib planned as carryover.

Resolution: Planned FY03 carryover.

Cause: Closeout sampling/completion of two 100 B/C pipeline excavations delayed due to plumes, and revegetation delayed to late fall planting season. 100 K Area design not completed due to late start by subcontractor.

Resolution: Revegetation to be completed in fall. 100 K Area design complete enough to allow mobilization activities to begin.

Cause: FY02 performance fee accounting practice dictates proportional carryover.

Resolution: N/A

PBS-RC02 – 300 Area Cleanup
Schedule Variance = **($693K); (6.9%)** [Last Month: ($358K); (4.3%)]

Cause: 618-4 Burial Ground closeout delayed to discovery of LDR soil.

Resolution: FY03 carryover.

OUTCOME STATUS (COST/SCHEDULE) continued:

PBS-RC05 – River Corridor Waste Management
Schedule Variance = **($1,041); (3.6%)** [Last Month: ($165K); (0.7%)]

Cause: Unexpected LDR soil treatment has delayed other special treatments and planned carryover for disposal of 116-N-1 pipeline, plume, and crib material.

Resolution: FY03 carryover.

Cost:

River Corridor Restoration	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
RC01 100 Area River Corridor Cleanup	72,780	70,336	70,430	(94)
RC02 300 Area Cleanup	10,091	9,381	9,376	5
RC05 River Corridor Waste Management	28,751	27,757	27,701	56
TOTAL River Corridor Restoration:	**111,622**	**107,474**	**107,507**	**(33)**

PBS-RC01 – 100 Area River Corridor Cleanup
Cost Variance = **($94K); (0.1%)** [Last Month: $925K; 1.4%]

Cause: Soil remediation labor, material, and sampling costs at 100 F and 100 B/C Areas less than planned.

Resolution: Underrrun reflected in EAC.

Cause: Herbicide application, 100 Area S&M, and asbestos abatement labor savings.

Resolution: Underrun reflected in EAC.

Cause: Overrun on D and H Reactors ISS demolition/loadout, and additional engineering and roof installation requirements at DR Reactor ISS.

Resolution: Overrun reflected in EAC.

PBS-RC02 – 300 Area Cleanup
Cost Variance = **$5K; 0.1%** [Last Month: ($186K); (2.3%)]

Cause: N/A

Resolution: N/A

PBS-RC05 – River Corridor Waste Management
Cost Variance = **$56K; 0.2%** [Last Month: $224K; 0.9%]

Cause: Lower driver and subcontract costs at ERDF due to reduction of planned overtime and renegotiated transportation subcontract.

Resolution: Underrun reflected in EAC.

ISSUES (REGULATORY/EXTERNAL/DOE):

- **100 N Area Remediation:** Results of residual radioactivity (RESRAD) modeling performed using borehole data for the 116-N-1 crib and trench indicate that the site will not attain groundwater Remedial Action Objectives (RAOs) following excavation. The results indicate that the lowest vadose zone layer contributes contaminants at levels above the RAOs.

  Status: Ecology sent RL a letter requesting an updated plan to identify the path forward for site remediation options. BHI is preparing an Explanation of Significant Difference (ESD) for RL as required by the 100-NR-1 Treatment, Storage, and Disposal (TSD) Record of Decision (ROD). The ESD will state that modeling of impacts to groundwater will not use the 76-centimeter (30-inch) per year irrigation scenario for the 116-N-1 site. BHI is also preparing a presentation that will be provided to the Hanford Advisory Board ER Committee in November. BHI will continue to support RL in this endeavor. This issue is closed.

INTEGRATION ACTIVITIES:

Support was provided in the development of the Annual Hanford Site Permitting Status Report, transmitted to RL in October. This report meets Ecology's dangerous waste permit requirements for a listing of current environmental permits and construction approvals.

The 331-B Building (300 Area) demolition project kick-off meeting was held on March 7 to introduce the key personnel and to ensure the project scope, budget, schedule, etc. was understood. The project team also performed a walkdown of the facilities. Phase I activities include data quality objective (DQO) and detailed schedule development and performing preliminary radiological surveys.

During July, planning meetings were held with the 100 K Area operations personnel (managed by FH) and the ERC Remedial Action and Waste Disposal personnel. A new security fence, additional equipment control measures, and increased inspections are required before soil remediation activities can begin. FH and BHI personnel reviewed the issues and prepared a memorandum of understanding.

Section C - Central Plateau Transition

CP01 - 200 Area Remediation

(Transitioned to Fluor Hanford on June 30, 2002)

233-S Facility Process Hood Before Cleanout

Process Hood After Cleanout

Containment for B Plant Pre-Filter Changeout

Data as of month-end September

SECTION C – CENTRAL PLATEAU TRANSITION

Data as of month-end September

ACCOMPLISHMENTS:

200 Area Remediation (CP01):

General:

BHI was an integral participant in the successful completion of the 200 Area (Central Plateau) proposed Tri-Party Agreement change package negotiations conducted by the U.S. Department of Energy (DOE) Richland Operations Office (RL), U.S. Environmental Protection Agency (EPA), and Washington State Department of Ecology (Ecology). Approval of the four change packages established commitments for accelerated cleanup in the Central Plateau.

The ERC Central Plateau workscope, including all CP01 scope, was successfully transitioned to FH on June 30 as part of the RL-directed Central Plateau transition. Transferred scope consisted of the 233-S Plutonium Concentration Facility, 200 Area remedial actions, and 200 Area surveillance and maintenance activities. B Plant and PUREX facilities were transitioned early to FH on June 3.

Prior to the June 30 transition, a number of significant ER Central Plateau accomplishments were achieved during FY02 and are summarized below:

200 Area Remediation and Groundwater Monitoring:

Through June 2002, the Groundwater/Vadose Zone (GW/VZ) Integration Project witnessed great strides in the 200 Area remediation efforts. Three Draft A work plans were completed and submitted to the regulators. Work was accelerated to complete two of these work plans within a three-month time frame. Extensive field work was also completed in the 200 Area, some of which included drilling, sampling, geophysical logging, and decommissioning of characterization boreholes. Several technology deployments were utilized in support of the 200 Area remediation tasks. Well drilling was also completed at the Plutonium Finishing Plant (PFP) in support of the carbon tetrachloride investigation.

In the 200 Area, both groundwater pump and treat systems (200-UP-1 and 200-ZP-1) operated above the planned 90% availability levels during FY02 (through June 2002), processing approximately 252.8 million liters of groundwater and removing approximately 836 kilograms of carbon tetrachloride (200-ZP-1). Since system inception (through June 2002), these two pump and treat systems processed approximately 2.4 billion liters of groundwater, removing approximately 6,600 kilograms of tetrachloride (200-ZP-1). Approximately 592 million liters of groundwater have been transported to the Effluent Treatment Facility (ETF) for processing since 200-UP-1 began operation. 343 million liters were previously processed prior to using ETF. All CERCLA upgrades to the pump and treat systems were also completed as required.

The soil vapor extraction system was successfully restarted in April (after winter shutdown), and removed 432 kilograms of carbon tetrachloride through June 2002. Since system inception (through June 2002), more than 77,000 kilograms of carbon tetrachloride have been removed.

ACCOMPLISHMENTS continued:

233-S Plutonium Concentration Facility:

The five-year decommissioning effort for the 233-S Plutonium Concentration Facility reached a major milestone during FY02. In March, the last of 15 process hood vessels was successfully removed from the highly contaminated facility one year ahead of schedule. All vessel and miscellaneous piping (more than 1,370 meters [4,500 feet]), tubing, and conduit were also removed. In addition, approximately 6,800 metric tons (7,500 tons) of process cell structural steel and grating were removed prior to the Central Plateau transition. More than 12,400 entries were made into the highly contaminated 233-S facility during the decommissioning campaign with only 10 personnel contamination events.

Surveillance and Maintenance:

All FY02 planned Surveillance/Maintenance, and Transition Project activities for the Central Plateau were completed on or ahead of schedule. 200 Area asbestos abatement was completed ahead of schedule. Stabilization of two hexone tanks in the 200 Area was completed in a safe and timely manner. The draft Canyon Disposition Initiative (CDI) Proposed Plan was completed and submitted to the regulators. A reduction in the number of surveillance frequencies (from quarterly to annually) is expected to result in cost savings of approximately $450,000 per year. The B Plant filter changeout was performed at significantly lower exposures than previously accomplished. Extensive pre-job planning and mockup training for the filter changeout were credited for the ALARA reduction.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-13-26	Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan	12/31/01	12/26/01 (A)
M-13-00L	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/01	12/26/01 (A)
M-15-40A*	Complete U Pond/Z Ditches Cooling Water Group Field Work Through Sample Collection and Analysis	9/30/02	Deleted
M-15-42B*	Submit 200-TW-2 OU Draft A Remedial Investigation Report to Ecology	9/30/02	Deleted

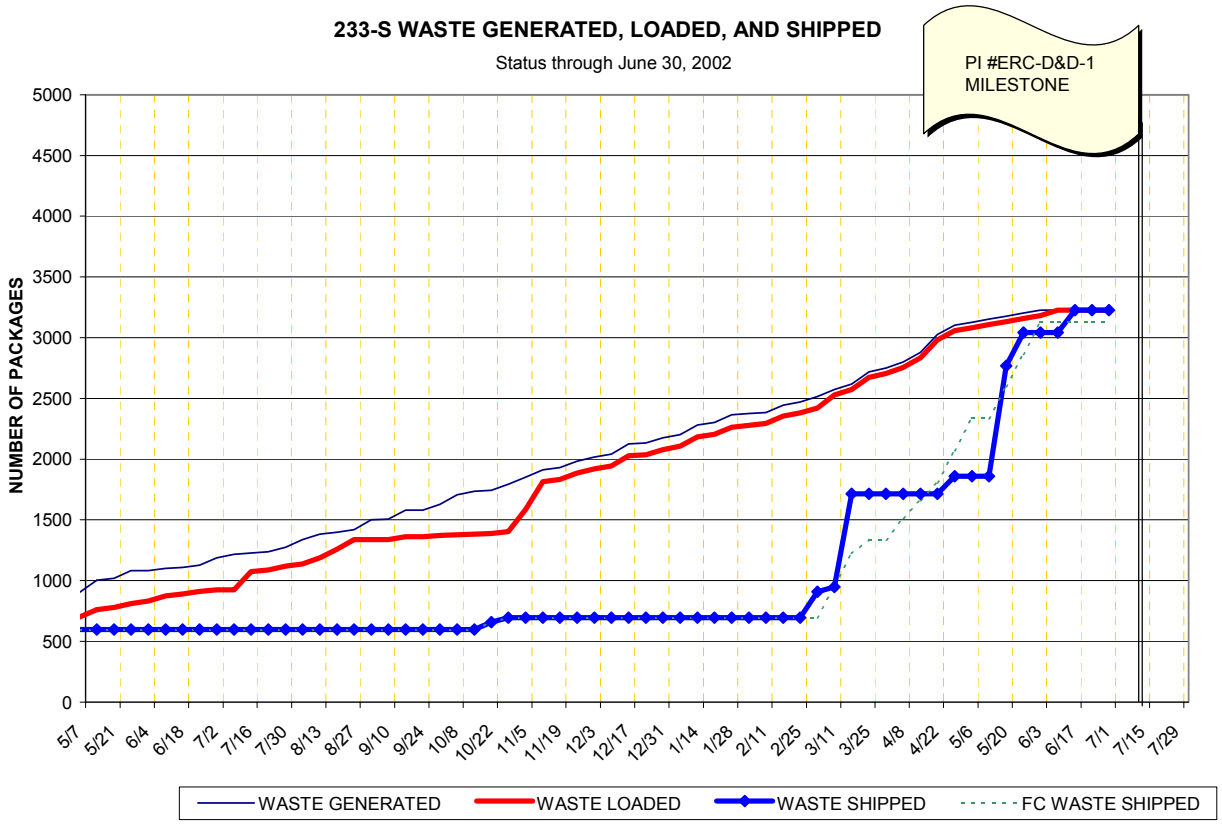
*M-15-40A and M-15-42B were deleted per Tri-Party Agreement change request M-015-02-01 on June 5.

PERFORMANCE OBJECTIVES:

PI	Task	Status
GREEN ***233-S Plutonium Concentration Facility Dismantlement:** Disposition Surplus Building	Dismantle and remove 8 vessels from the 233-S Process Hood by 6/30/02. Dismantle and remove all remaining vessels from the 233-S Process Hood by 6/30/02. **(Stretch)**	Vessel removal was completed in March. Efficiency in extracting process vessels from the 233-S facility has enabled BHI to complete removal of all the vessels one year ahead of schedule. The original baseline called for removal of 8 vessels by June 30, 2002. In that timeframe, all 15 vessels within the facility were actually removed. All scope was completed on June 13, 2002. The Notice of Completion package was transmitted to RL for approval on July 1, 2002 and was approved on July 25, 2002.

*Multi-year PI developed in FY01.

233-S Metric



PERFORMANCE MEASURES/METRICS:

Technology Deployment	PBS	Planned Date	(F)/(A) Date
Protean Gas Flow Proportional Counter (deployed at 233-S and 221-U facilities)	CP01		10/01 (A)
ZipWall (deployed at 233-S facility)	CP01		11/01 (A)
*Small-Diameter Geophysical Logging System Passive Neutron Logging Probe (deployed at 216-Z-11 trench)	CP01	3/31/02	2/02 (A)
*Small-Diameter Geophysical Logging System Gamma Logging Probe (deployed at 216-Z-11 trench)	CP01	3/31/02	2/02 (A)
Silicone Rubber Insulated Heaters (deployed at hexone tanks 141/142)	CP01		3/02 (A)
Eagle 5000 Ionizer (deployed at 233-S facility)	CP01		6/02 (A)

* ERC identified two technologies for Central Plateau Transition to be deployed during FY02.

STRETCH AND SUPERSTRETCH GOALS:

FY02 233-S Stretch Goals
***Dismantle and remove all remaining vessels from the 233-S Process Hood by 6/30/02.** **Status:** Complete. See Performance Objectives on previous page.

GREEN

*Multi-year PI developed in FY01.

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Central Plateau Transition	BCWS	BCWP	Variance
	$K	$K	$K
CP01 200 Area Remediation	25,300	25,300	0
TOTAL Central Plateau Transition:	**25,300**	**25,300**	**0**

Cost:

Central Plateau Transition	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
CP01 200 Area Remediation	22,910	25,300	22,910	2,390
TOTAL Central Plateau Transition:	**22,910**	**25,300**	**22,910**	**2,390**

NOTE: Work not completed as of June 30 and associated funding were formally transitioned via baseline change proposal [BCP] and funding change proposal [FCP] from the ERC baseline to FH.

Section D - Site Integration & Infrastructure

SS03 - Groundwater Management & Monitoring
SS04 - Groundwater/Vadose Zone Integration
(Transitioned to Fluor Hanford on June 30, 2002)

Rotary Drilling in the 200 Area

Dual Wall Percussion Rig at
Immobilized Low Activity Wall
Drill Site (200 East Area)

Data as of month-end September

SECTION D – SITE INTEGRATION & INFRASTRUCTURE

Data as of month-end September

ACCOMPLISHMENTS:

General:

The ERC groundwater management and groundwater vadose zone scope (SS03, SS04) was successfully transitioned to FH on June 30 as part of the RL-directed Central Plateau transition.

Prior to the June 30 transition, a number of significant ER Site Integration & Infrastructure accomplishments were achieved during FY02 and are summarized below:

Groundwater Management and Monitoring (SS03):

The remaining calendar year 2001 RCRA groundwater well drilling was completed in November 2001, supporting achievement of Tri-Party Agreement Milestone M-24-00M.

Groundwater/Vadose Zone Integration (SS04):

GW/VZ Integration Project meetings and workshops were held with other national laboratories, RL, Office of River Protection (ORP), Hanford Site contractors, State of Oregon representatives, Tribal Nations, regulators, and stakeholders to discuss the System Assessment Capability (SAC) approach and initial assessment results, Science and Technology progress, and plans for FY02.

Assessment runs were also performed on a newly acquired SAC processor/analysis workstation. Use of this system will greatly reduce the time required to perform calculations for probabilistic assessments. The software user's guides for the SAC virtual library modules were also issued. These guides will be used to train new staff and as reference documents for reviewers and users of assessments performed with SAC.

Field measurements (cross borehole radar, ground-penetrating radar, and neutron probe) were initiated at the clastic dike vadose zone transport study site.

The April-September 2001 GW/VZ Semi-Annual Report was delivered to DOE Headquarters and Congress.

MAJOR COMMITMENTS (FISCAL YEAR PLUS 6 MONTHS):

TPA Milestone	Description	Due Date	(F)/(A) Date
M-24-53	Install Two (2) Additional Wells at SST WMA TX-TY	12/31/01	11/8/01 (A)
M-24-54	Install One (1) Additional Well at SST WMA T	12/31/01	10/18/01 (A)
M-24-55	Install Two (2) Additional Wells at SST WMA S-SX	12/31/01	11/8/01 (A)
M-24-00M	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2001 if Required	12/31/01	11/8/01 (A)

OUTCOME STATUS (COST/SCHEDULE):

Schedule:

Site Integration & Infrastructure	BCWS	BCWP	Variance
	$K	$K	$K
SS03 – Groundwater Management & Monitoring	11,558	11,558	0
SS04 - Groundwater/Vadose Zone Integration	7,400	7,400	0
TOTAL Site Integration & Infrastructure:	**18,958**	**18,958**	**0**

Cost:

Site Integration & Infrastructure	FY02 EAC	BCWP	ACWP	Variance
	$K	$K	$K	$K
SS03 – Groundwater Management & Monitoring	10,951	11,558	10,951	607
SS04 - Groundwater/Vadose Zone Integration	6,985	7,400	6,985	415
TOTAL Site Integration & Infrastructure:	**17,936**	**18,958**	**17,936**	**1,022**

NOTE: Work not completed as of June 30 and associated funding were formally transitioned via baseline change proposal [BCP] and funding change proposal [FCP] from the ERC baseline to FH.